## **CLAIMS**

What is claimed is:

- A method, comprising:
   positioning a substrate having an outer dimension near an embossing foil;
   and
   checking the substrate for drift relative to the embossing foil.
- 2. The method of claim 1, wherein positioning further comprises centering the substrate relative to the embossing foil.
- 3. The method of claim 2, wherein positioning further comprises engaging the outer dimension with a plurality of rods coupled to actuators.
- 4. The method of claim 3, wherein checking further comprises repositioning the substrate.
- 5. The method of claim 4, wherein repositioning further comprises controlling the actuators with an actuator control algorithm.
- 6. The method of claim 1, wherein positioning further comprises maintaining an embossable film disposed above the substrate at a pre-heated temperature.
- 7. The method of claim 1, further comprising pressing the embossing foil into the embossable film.
- 8. The method of claim 1, further comprising separating the embossable film from the embossing foil.
- 9. The method of claim 8, further comprising cooling the embossable film.

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- 10. An apparatus, comprising: means for positioning a substrate near an embossing foil; and means for checking a drift of the substrate relative to the embossing foil.
- 11. The apparatus of claim 10, wherein means for positioning further comprises means for centering the substrate relative to the embossing foil.
- 12. The apparatus of claim 10, wherein means for checking further comprises means for repositioning the substrate relative to the embossing foil.
- 13. The apparatus of claim 10, wherein means for positioning further comprises means for maintaining a pre-heated temperature of an embossable film disposed above the substrate.
- An apparatus, comprising:
  an embossing foil;

a nest disposed below the embossing foil, the nest having an gas-bearing surface to receive a substrate having an outer dimension; and

a plurality of piezo actuators disposed near the gas-bearing nest, the plurality of piezo actuators to engage the outer dimension to center the substrate relative to the embossing foil.

- 15. The apparatus of claim 14, further comprising a controller coupled to the plurality of piezo actuators to sense a motion stoppage of the substrate.
- 16. The apparatus of claim 14, wherein the plurality of piezo actuators comprise a push rod to engage the outer dimension of the substrate.

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- 17. The apparatus of claim 14, wherein the plurality of piezo actuators comprise nano actuators.
- 18. The apparatus of claim 14, further comprising an actuator control algorithm to control the plurality of piezo actuators while engaged with the outer dimension.
- 19. The apparatus of claim 14, wherein the nest is defined by a wall, and wherein the gas-bearing surface prevents the substrate from making mechanical contact with the nest.
- 20. The apparatus of claim 14, wherein the substrate comprises a disk having an outer diameter to engage the plurality of piezo actuators.

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